

- 35 -

**[ABSTRACT]**

A silver halide industrial radiographic material comprising on at least one side of a support a hydrophilic gelatinous non-spectrally sensitized radiation-sensitive emulsion layer, having grains, coated in a total amount in the range from 6 to 20 g, expressed as an equivalent amount of silver nitrate per square meter, and at least one non-radiation sensitive protective gelatinous antistress overcoat layer thereupon, wherein a ratio of gelatin to silver, expressed as silver nitrate in the said layer arrangement is at least 0.70, wherein said gelatinous layers are hardened by a gelatin cross-linking agent in an amount in order to have a dissolving time of at least 40 minutes, said time being defined as the period of time from the moment when the silver halide photographic material, dipped into 50 ml of an aqueous solution of 1.5 % by weight of sodium hydroxide at 50 °C, until the moment that the base becomes visible due to dissolving of the layers coated thereupon, is characterized by a hydrophilic gelatinous layer arrangement wherein a hydrophilic polymer is present in an amount of at least 1 g per m<sup>2</sup>.